

# Influencing Factors and Countermeasures of Construction Project Management

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**Abstract:** This paper analyzes the influencing factors in construction project management in China. At present, the development of Chinese construction industry is accelerating, however, various factors cause certain negative influence on the quality and efficiency of project management. The accurate and effective countermeasures are proposed according to these influencing factors to ensure the overall healthy and stable development of construction industry.

At present, Chinese society and economy develop rapidly, and the development of construction industry enters a new stage. With the accelerating urbanization in China, the construction industry is faced with new opportunities and challenges. Once the quality of construction project is not up to standard, it will affect people's comfortable living and life and property security, thus, it is necessary to pay attention to construction project management. After analyzing of actual construction project management in China currently, it can be found that it is always influenced by external factors in some regions, so that the management effect is not ideal. In its prosperous development, the construction industry in China shall not only ensure the overall quality of construction and meet people's expectations for the functions of construction [1].

## 1. Main Factors Influencing Chinese Construction Project Management Currently

### 1.1 The lack of perfect management system

At present, Chinese construction industry develops rapidly, however, there are problems in construction project management by some construction engineering units, among which, the lack of perfect management system is an important aspect. If there is not perfect management system to support the actual implementation of construction project management, various links in construction project will be not connected smoothly, and some quality problems will occur, which further results in serious impact on economic and social benefit of construction unit [2]. Besides, in implementing project management, some construction units still adopt traditional project management system, disjointed from actual conditions of the development of the times, which is mainly shown in more attention to construction techniques and ignorance of project management.

### 1.2 The ignored importance of construction project security management

In implementing construction project, to ensure the overall quality of construction, the security of construction shall be stressed. Whereas, some enterprises of construction project cheat on workmanship and materials, using inferior materials in construction, in order to obtain substantial economic benefit and shorten construction period, which may result in construction security incidents and cannot ensure the overall security of final construction [3]. In addition, once security incidents occur in construction, it will have a great impact on the period arrangement of the construction, and enterprises' economic and social benefit.

### 1.3 The varied quality of management personnel in construction project

For construction project management, the professional quality of management personnel is significantly important. They have accurate understanding of each link of the entire construction, so that the quality of management can be guaranteed. Therefore, when employing management personnel, only people who pass the examination can be officially employed by enterprises. However, currently, in construction project management, some construction units fail to strictly

screen relevant management personnel. The management personnel is the subject of the construction project, directly deciding the effectiveness of management. Nowadays, a great amount of management personnel in construction project have poorer professional quality, which is related to the enterprises' undemanding selection and insufficient follow-up training, so that they have insufficient professional knowledge and management experience [4].

#### **1.4 The weak supervision mechanism**

The supervision mechanism plays an important role in construction project management. Whereas, for some construction units, there is not strong supervision mechanism in project construction, which results in weak supervision in some links of project supervision management [5]. In addition, it also greatly increases the violation operations and corruption. In order to save expenses, some construction units fail to set specific supervision management department. If there is, its role cannot be fully exerted, staying in form. In implementing construction project management, it is necessary to set up clear accountability mechanism, which is crucial. If there is not, some departments involved would not be willing to take responsibilities, thus problems cannot be effectively solved.

## **2. Strategies to Improve the Quality of Construction Project Management**

### **2.1 To improve the management mechanism**

Nowadays, the development speed of China's construction engineering industry is accelerating, and people's expectations for construction industry are becoming higher and higher. A clear project management mechanism is very important for engineering construction management. Therefore, in the process of a construction project, a complete and clear project management system must be established as the main basis for management, to effectively impose certain constraints on the construction of construction personnel, so that the arrangement of the entire construction process is more organized and to ensure the overall quality of the construction. In order to effectively improve the project management system, it is necessary not only to learn the advanced management methods of the world currently, but also to combine it with the actual situation of the current construction engineering enterprises to ensure that the management methods and the current operation concepts of enterprises are uniform [6]. After establishing a relatively complete project management system, it is also necessary to pay attention to properly handle the relationship between the relevant management departments. When carrying out construction engineering construction management, it is necessary to actively coordinate and communicate with relevant departments. In addition, it is also necessary to accurately divide the responsibilities of each position in the management department and strengthen the cooperation relationship between various departments. Once there is a problem in the management, the relevant management personnel should not evade responsibility, but should promptly explore the methods and strategies to solve the problem. During the construction of the project, management personnel at the construction site play a very important role. Once the construction quality problems appear on the construction site, they must be dealt with in time. In order to facilitate the effective development of the quality management at the construction site, it is very important to accurately divide the duties of each position in the field management, which can effectively ensure the implementation of the relevant management system, thereby improving the overall management quality and management efficiency of the construction project.

### **2.2 To increase the emphasis on construction security management**

The construction project shall adhere to the principle of safety first. In order to ensure the quality of Chinese construction project and improve the efficiency, it is necessary to put more emphasis on the security management of construction, including the safety of constructors and construction management. The high-efficiency and high-quality security management shall be conducted from two aspects [7].

On the one hand, before construction, construction units are required to establish effective management system and train related construction personnel, so as to improve their professional quality. Besides, it is necessary to strictly implement security management system so as to achieve ideal effects.

On the other hand, it is necessary to intensify the cultivation of their professional quality. All working staff involved in construction must have stronger security awareness to ensure the overall security of construction, and realize the possible risks in construction to avoid security accidents. For enterprises of construction project, security accidents will cause impacts on economic benefit and enterprises' social reputation, which affects the future development of enterprises to a certain extent [8].

### **2.3 To improve the professional quality of project management staff**

Currently, a large amount of management staff have poorer professional quality, mainly reflected in the lack of professional knowledge and project management experience. If enterprises employ a large amount of this kind of personnel, the development of enterprises will be inevitably damaged. For construction project enterprises, the department of human resources management is important and crucial, and has practical significance for the future development and innovation of enterprises. Therefore, for enterprises of construction project, they shall realize the importance of human resources department and its work. In order to enhance the professional quality of working staff, enterprises shall pay attention to increase the requirements for talent employment and strengthen the training on related working staff. Besides, enterprises shall increase the investment in talent cultivation. At this stage, a large number of enterprises in China have to obtain more economic benefits in order to reduce the amount of investment, and often fail to regularly carry out professional quality training for employees, or the training work just goes through the motions without the desired effect [9]. Therefore, enterprises should pay attention to increase investment, recruit some engineering management personnel with strong professional quality and certain working experience, so as to greatly increase the proportion of composite engineering management personnel. After the recruitment, it should also be noted that regular training is required for the relevant management staff. This is very important and can effectively improve the professional level of the staff, so as to better contribute to the future development of enterprises. At the same time, construction engineering enterprises should also establish a relatively complete evaluation system for management personnel, which can effectively promote the enthusiasm of management personnel, and at the same time greatly enhance employees' sense of responsibility and trust in the enterprise, so that they will more devoted in their work in the future.

### **2.4 To stress the supervision and management**

For construction engineering enterprise, in construction, due to many uncertain factors, and because the construction engineering is a complex and systematical project, in actual work, it involves multiple fields and requires coordination between multiple management departments to ensure the overall quality of the work. In order to ensure the effectiveness of construction management, it is necessary to pay full attention to the importance of supervision. For construction engineering enterprises, special supervision department should be set up, and scientific and reasonable supervision plans should be formulated to give full play to the supervision department [10]. In addition, when supervising and managing construction activities, it is necessary to pay attention to accurately record the completion of each link in construction, and to record the responsible personnel of each link, so as to avoid shirking responsibility. When carrying out management on project cost, it is required to pay full attention to the importance of supervision, and select the construction materials according to the actual needs of on-site construction, so as to effectively control the construction cost. When the construction costs is reasonably reduced, the economic benefits of the enterprise will be effectively improved. In addition, the monitoring of construction should be strengthened, and the construction process should be effectively managed to ensure the quality of the overall construction. When supervising and managing the construction quality, it is necessary to pay attention to the methods. This is the core problem in the construction

process of construction projects. The construction enterprises must correct their own working attitudes and give full attention to the supervision and management.

### 3. Conclusion

In the construction, in order to better adapt to the current times and the development of the industry, in order to better meet people's expectations of the construction industry, it is urgent to ensure the overall quality of construction engineering, which relies on the quality of construction engineering management. In the process of carrying out construction engineering management, it is necessary to pay attention to the effective improvement of the management system, and further strengthen the training of construction engineering management personnel, pay attention to accurately manage the various links and contents in the construction of construction projects, so as to effectively improve the overall quality of construction engineering. In summary, at present, Chinese social and economic development has ushered in a new stage and the development of all industries also embraces new spring, the same for construction engineering. The construction industry is a rigid demand industry. With the continuous development of the social economy, people's expectations for the construction industry are also increasing, which makes the construction engineering enterprises face greater challenges in the future development. Whereas, it is also an opportunity. For construction engineering enterprises, opportunities and challenges are often important turning points in the development process of enterprises. Construction engineering enterprises should seize this opportunity and actively innovate and reform their own operational concepts, more in line with the needs of the current development of the industry, which will provide more possibilities for the long-term development of the enterprises.

### References

- [1] Wang Zhiliang. Research on Influencing Factors and Countermeasures of Construction Project Management [J]. Real Estate Guide, 2018,20(36):159.
- [2] Chen Yin. Analysis of Influencing Factors and Countermeasures of Construction Project Management [J]. Development Guide to Building Materials, 2018,16(11):320.
- [3] Zhang Siyuan. Research on Influencing Factors and Countermeasures of Construction Project Management [J]. Regional Governance, 2018,17(48):111.
- [4] Yuan Fusen. Research on Influencing Factors and Countermeasures of Fabricated Construction Project Management [J]. Construction Materials, 2018,8(46):181-182.
- [5] Shi Malin, Chen Yaqian. Analysis of Influencing Factors and Quality Control Countermeasures of Construction Project Management [J]. Real Estate Guide, 2018,32(36):129.
- [6] Tian Zihan. Analysis of Factors and Countermeasures of Construction Project Management [J]. Decoration Refurbishment Centre, 2018,10(24):104.
- [7] Chen Wei. Research on Influencing Factors and Countermeasures of Construction Project Management [J]. Sichuan Cement, 2018,21(10):202.
- [8] Jiang Zhongqiu. Research on Influencing Factors and Countermeasures of Fabricated Construction Project Management [J]. Development Guide to Building Materials, 2018,16(10):310.
- [9] Xu Zebin. Analysis of Influencing Factors and Countermeasures of Construction Project Management [J]. Construction and Decoration, 2018,11(10):60,62.
- [10] Zhuang Daobin. Research on Influencing Factors and Countermeasures of Fabricated Construction Project Management [J]. Development Guide to Building Materials, 2018,16(10):281.